

19980531.ba v02_n076.bam.980531

>From ???@??? Mon Jun 01 01:53:56 1998
Message-Id: <199806010229.VAA22908@sco.theporch.com>
Date: Sun, 31 May 1998 21:27:10 CDT
Subject: BOATANCHORS digest 2076

BOATANCHORS Digest 2076

Topics covered in this issue include:

- 1) Re: AR-88 listening
by Kargokult@aol.com
- 2) Whatzit department: Sylvania SA-541 tube
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 3) 6B4G vs. 6B4GA--what's the difference, and does it matter?
by "Scott Alfter" <salfter@ibm.net>
- 4) "Midway" BA Sighting
by "Christopher A. Bowne" <radiobwn@riconnect.com>
- 5) Re: AR-88 Trim Strips?
by Dan Arney <kn6di@groupone.net>
- 6) Re: 6B4G vs. 6B4GA--what's the difference, and does it matter?
by "Arden Allen" <gumbear@pacbell.net>
- 7) Re: Info on Tek plugins
by Henry van Cleef <vancleef@netcom.com>
- 8) Re: Information needed
by Henry van Cleef <vancleef@netcom.com>
- 9) Re: TUBEDATA
by Jim Hill <jshillw6ivw@earthlink.net>
- 10) Coil Winding wire
by gpewitt@execpc.com
- 11) Re: AR-88 Trim Strips?
by Dick Dillman <ddillman@igc.apc.org>
- 12) Re: Coil Winding wire
by "Roberta J. Barmore" <rbarmore@indy.net>
- 13) WTB: 51J3/4 Cabinet
by "Grant Youngman" <nq5t@gte.net>
- 14) Chassis cleaning-a warning!
by Scott Robinson <spr@earthlink.net>
- 15) Re: Chassis cleaning-a warning!
by "Francis J. Townsend, III" <ftownsen@access.digex.net>
- 16) RE: 6B4G vs. 6B4GA--what's the difference, and does it matter?
by Scott Robinson <spr@earthlink.net>
- 17) SX71 parts needed
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 18) FS: 75S3C, 32S3, 516F2 all RE
by Phil Mills <pmills@a.crl.com>
- 19) FS: Mechanical Filter Plug-in Adapter for 75A-1

- by Leslie Zwiebel <wb6orz@pacbell.net>
- 20) R-390 and 390-A Manuals For Sale
by Leslie Zwiebel <wb6orz@pacbell.net>
- 21) What's the R+P NG?
by Scott Robinson <spr@earthlink.net>
- 22) Parts needed
by Jack Antonio <dia@dia.reno.nv.us>
- 23) Manual Needed: Sprague T0-4 or T0-6 Capacitor Checker
by Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
- 24) Help Needed
by "Lloyd A. Scott, Jr." <wpul11130@concentric.net>
- 25) FT/FS: 8877's/socket
by Sandy W5TVW <ebjr@worldnet.att.net>
- 26) Tube info? W.E. 417A
by Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
- 27) SCR522 Questions
by Jerry Proc <jproc@idirect.com>

From: Kargokult@aol.com
Message-ID: <24503d09.3570e105@aol.com>
Date: Sun, 31 May 1998 00:48:04 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: AR-88 listening
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

and behold, it was written thusly:

> There the BBC Waveguide
> program was by chance presenting a very interesting report
> on the National Vintage Communications Fair in Birmingham,
> complete with interviews with enthusiastic valve salesmen and
> military radio collectors. Not a bad way to
> spend an evening - if you're into that kind of thing of course.

---i think this is nowadays known as "appropriate technology". the
right tool for the job.
hue

Message-ID: <3570FE69.5FA@lobo.net>
Date: Sat, 30 May 1998 23:53:35 -0700
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Whatzit department: Sylvania SA-541 tube

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK, gang, here's one that has me stumped..turned up at a garage sale this weekend:

It is a Sylvania SA-541 tube-looking thing...Yellow paper label with that number and the Sylvania logo. Glass, same diameter as a 7 pin miniature, with wire leads coming out at pins 1,3,4, and 6..tinned leads about 3: long. Tube is about 1" high from the flat of the base to the tip.

Inside the glass I can see what appears to be two ceramic disks with what appears to be a circular getter about 1/4 inch diameter sticking up towards the tip. The two ceramic disks are at the bottom of the tube, and I can also see what looks like two hollow rivet heads on the top disk.

Whatzit? Can I run a KW on 20meters???

Thanks,

Herb Rosenthal W5AN

From: "Scott Alfter" <salfter@ibm.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 6B4G vs. 6B4GA--what's the difference, and does it matter?
Date: Sun, 31 May 1998 01:38:32 -0700
Message-ID: <000001bd8c6f\$7eb21360\$0164a8c0@janeway.ncc74656.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I picked up a PP-348 power supply and SG-1A VHF signal generator at the local swap about a month ago. The two are intended to be used together; the PP-348 provides regulated 575VDC and 200VDC plate supplies, a 7.2VAC heater supply, and 120VAC to drive heater elements in both the power supply and signal generator (presumably an anti-moisture function).

Each plate supply uses two 6B4Gs in parallel as series-pass regulators, each controlled by a 6AU6 (with a 470-ohm resistor between the 6AU6's plate and the grid of each 6B4) and one (for 200) or two (for 575) 0A3 regulator tubes. Of the four that were installed, only one tests good. Another tested weak; the other two barely caused the meter on my tester to budge. AES wants a fortune for these...\$34.80 each for NOS, \$15.10 for used. Other sources I've checked online either didn't have them or asked about the same

amount of money for them.

The latest Fair Radio catalog has NOS Sylvania 6B4GAs for \$17.50. They note that the tube "does not test like [the] 6B4G" (their words). How significant are the differences? In this type of application, would the 6B4GA be a plug-and-play replacement? Would it be safe to mix the two types (to replace the bad and weak tubes), or should they be kept separate (use the good and weak tubes I have in one regulator and new tubes in the other)? I was under the impression that A, B, C, etc. following a tube designation indicated minor changes in the design with possible performance enhancements.

Also, the heater supply uses a 26-4A ballast tube to drop 14VAC from the transformer to 7.2V. A .63-ohm resistor in the signal generator drops that to 6.3V for the tubes it uses. The 26-4A is made, from what I understand, of unobtainium--and it is missing. If voltage regulation is the goal, I suspect that something solid-state could be lashed up and plugged into its place...the trick would be getting the required amount of current without frying something.

The final question: just how rare and/or useful are these beasts in their unmodified state? A message I received a while back said the SG-1A was used primarily for avionics servicing...it produces modulated or unmodulated output from 95 to 140 MHz or thereabouts. It looks like three tubes and a ballast for its power supply are all it'd need to get running again. OTOH, the Air Force (the original owner of this equipment) would've moved on to more modern equipment (these are from the early 50s) long ago, I'm not really in need of a VHF signal generator, the parts needed to get it running are either expensive or unavailable, and what I have now didn't cost me anything (never turn down free stuff :-). Would I be committing original sin if I disassembled these units for parts? In addition to the tubes and their sockets, there are several big transformers and chokes, a few meters, a very nice reduction drive mechanism, two rack-mount chassis with heavy-gauge front panels and boxes to use both in desktop applications, and other goodies. They even have the schematics for each unit on the bottom cover. One voice says it'd be a shame to break up possibly workable equipment (neither unit was represented as working); another says the parts would be nice to have (how about building a regen rx on one of these chassis instead of a cake pan? :-). Opinions, anyone?

Scott Alfter
salfter@delphi.com

Message-ID: <01BD8C5A.81ED4DC0@mys22.riconnect.com>
From: "Christopher A. Bowne" <radiobwn@riconnect.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: "Midway" BA Sighting

Date: Sun, 31 May 1998 06:08:02 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Caught "Midway" last weekend, on TBS's Memorial Day weekend war movie =
marathon.

Interesting, if brief BA sighting in the scene where Japanese Scout 4 =
sights the American carriers, but can't report it because "the =
transmitter is not working". No wonder - the radio operator was trying =
to transmit with a US ARC-5 receiver control box! Footage was =
probably shot in one of the many SNJ/AT-6s disguised as Japanese planes =
for the film.

73,

Chris Bowne, AJ1G
Stonington, CT
radiobwn@riconnect.com

Message-ID: <3571461B.B792A12E@groupone.net>
Date: Sun, 31 May 1998 04:59:23 -0700
From: Dan Arney <kn6di@groupone.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: AR-88 Trim Strips?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al & Dick I took mine to a chrome plater in Van Nuys and he wants \$50.00 to
do it. So I gotr some chrome paint at the Auto parts store. It looks (ok)
sort of. not chrome for sure. If we got several pieces together he will do a
lot for \$50.00.

Hank KN6DI
73

Al Klase wrote:

> Pry Gently! They clip over a more substantial metal strip underneath.
> At least on my RX they do.
>
> Good luck,
> Al

>
> Dick Dillman wrote:
> >
> > Does anyone know the proper method for removing the two horizontal trim
> > strips from the panel of the AR-88 receiver? Mine need refinishing.
> >
> > Regards,
> >
> > Dick
> >
> > Dick Dillman
> > <ddillman@igc.apc.org>
> > WPE2VT W6AWO
> > Collector Of Heavy Metal:
> > Harleys, Willys and Radios Over 100lbs.
> >
> >
> >
>
> --
> Al Klase - N3FRQ
> skywaves@bw.webex.net
> Flemington, NJ 08822
> Web Page: <http://www.webex.net/~skywaves/home.htm>

Message-Id: <199805311348.GAA13156@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 6B4G vs. 6B4GA--what's the difference, and does it matter?
Date: Sun, 31 May 1998 06:50:03 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Scott;

> Each plate supply uses two 6B4Gs in parallel as series-pass regulators,
> each
> controlled by a 6AU6 (with a 470-ohm resistor between the 6AU6's plate
> and
> the grid of each 6B4) and one (for 200) or two (for 575) 0A3 regulator
> tubes. Of the four that were installed, only one tests good. Another
> tested weak; the other two barely caused the meter on my tester to budge.
> AES wants a fortune for these...\$34.80 each for NOS, \$15.10 for used.
Other
> sources I've checked online either didn't have them or asked about the

same

> amount of money for them.

If it's a power triode, the *Audiophreaks* have driven the prices through the ionosphere. Don't laugh, but sweep tubes connected as triodes can make satisfactory pass tubes and there are sensibly priced ones with octal bases from the B&W TV era that don't seem to have many devotees. The 6AV5 comes to mind. Just guessing, you will probably want to tie control grid and screen together but you can experiment with screen grid tied to plate, just be mindful of ratings. Haven't done this myself but have read articles, etc.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199805311655.JAA14760@netcom8.netcom.com>
Subject: Re: Info on Tek plugins
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 31 May 1998 10:55:25 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As dlwade@pacbell.net discourses

>

> Good evening folks,

>

> I have a type CA plug-in and a 1A2 plug-in for my 545A scope.

>

> Would someone briefly compare/contrast the two units? Do I
> need them both, or do they both have about the same function/specs.

>

The 53/54C dates from about 1954, and was superseded by the CA in 1959, which added the algebraic summing of the two channels, allowing use of the CA as a differential unit. In a 545A or 547, bandwidth is about 24 Mhz.

The 1A2 was designed in 1963 principally for the 50 Mhz 547, and provides about the same capabilities as the CA, but gives 50 Mhz. bandwidth in a 547 and 30 Mhz. in the 545A. So far as front panel features go, the 1A2 has a trigger pickoff that can be strapped to the external trigger input of the 545A, which is a handy little thing to have.

The 1A2 is a hybrid design, and except for the front end nuvistors (late units have FETs), generally need a shot of Deoxit in the

controls and calibration and nothing else. The CA's are full of tubes, which makes them slower to stabilize after turn-on, but they, too generally need only a shot of Deoxit and calibration.

No, you don't "need" both of them in terms of feature and capability differences for a 545A. If you were to trade up to a 547, 546, or 544 you would want the 1A2 for its bandwidth. Both are desirable plugins for any of the 530-540 series.

By comparison, the 1A1 had significantly added capability over the CA (sensitivity, ability to cascade the two front end amps), and the 1A2 was a less-expensive version designed specifically to replace the CA in the Tek lineup in the early-mid sixties. The 1A4 is a 4-channel unit. The 1A- units have internal wiring for use with the 547 sweep switching feature.

The CA was contemporary with the 545A, and sold with it as the most common package in 1959-63. 545B and 547 were generally sold with 1A2/1A2 and 1A4. So these are the volume leaders for Tek through the sixties.

Don't know if this really answers your question, and isn't really "brief." I'd keep both plugins, because you never know when you'll have a chance to pick up a 547.

--

=====

Hank van Cleef

=====

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199805311714.KAA16495@netcom8.netcom.com>
Subject: Re: Information needed
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 31 May 1998 11:14:23 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Doug Obenchain discourses

>

> Hello all, I am in need of a manual, calibration information etc. for a RCA
> Senior VoltOhmyst WV-98A VTVM. I know it is not a Boatanchor radio but it is
> tubes and It is used on boatanchor radios so it does fit in somehow. Any
> type of information will be appreciated, either whole manuals, copies,
> e-mail attachments, etc.

>

Mike Tannenbaum (www.agtannenbaum.com) has manuals for the WV-98C, which is quite similar and usable with the A. Also, the sample VTVM schematic in the RC-19 RCA Receiving Tube Manual sold by Antique Electronic Supply is a "lift" from the WV-98 design. These units are pretty straightforward to figure out and fix. Generally, the only problem with them is drift in the molded composition resistors and/or leakage in the capacitors, particularly the blocking caps in the AC voltage section.

Last I knew, vintage test equipment was a topic for the list. While some folks don't like the mention of solid state components, a lot of test equipment from the late 1950's and later was hybrid, using part numbers that are long since obsolete, but generally easily replaced with modern substitutes. The WV-97's and 98's are nice little bench workhorses, and it is really nice to have five or six of them around when powering up an unknown Tek 545 scope for the first time.

--

=====
Hank van Cleef
=====

Message-Id: <3.0.5.32.19980531104237.00863510@earthlink.net>
Date: Sun, 31 May 1998 10:42:37 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Hill <jshillw6ivw@earthlink.net>
Subject: Re: TUBEDATA
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> Hello All,
> Just got this computer program called TUBEDATA written by Ake Holm.
>
> It's a database listing 27,000 plus tubes/valves.

are any of the computer tube-directories complete enuff with actual specs,snip

Hue: What data is included in your database? Does it include really old tubes, like the WD-11, '02, and VT-1?

I assumed it contained brief data, like in the older ARRL handbooks, but maybe not that much is there. It certainly would be nice to find one with data similar to the old RCA handbooks, especially the small black 2 or 3-ring binder type.

73's Jim

From: gpewitt@execpc.com
Date: Sun, 31 May 98 13:00:00 PDT
Subject: Coil Winding wire
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <Chameleon.980531130133.gpewitt@execpc.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

I am interested in building some rigs shown in an -old- book I just got. The book is "Henley's 222 Radio Circuit Designs" published in 1924. This book is quite helpful in that unlike most of the old ckts I've seen published it lists component values rather than making you guess at them.

The section describing various coil designs states that double cotton covered wire should be used for "high" frequencies due to the lower distributed capacitance caused by the thicker insulation separating the wire turns. It states that enamel insulated wire is not desirable because of the thinness of the coating.

The only wire I have been able to find for coil winding is, naturally, enamel covered. Can anyone provide information on the best substitutes for the various sizes of double cotton covered wire? I need some in 22, 24, and 26. A chart showing equivalent modern substitutes that would make coils with the same (or close) characteristics would be a blessing.

If the plan calls for 140 turns of #26 dcc wire, what modern wire would give about the same results on a form about the same size? ie. 2 1/2" dia and 4" long. I know there are formulas for this but I want to build radios not design them.

Thanks in advance and 73 Gary

Name: Gary Pewitt N9ZSV/KT
6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223
414 355 8147 Home 414 297 4307 Work
E-mail: gpewitt@execpc.com
Date: 05/31/98
Time: 09:48:54

-----End of Original Message-----

Name: Gary Pewitt N9ZSV/KT
6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223
414 355 8147 Home 414 297 4307 Work
E-mail: gpewitt@execpc.com
Date: 05/31/98
Time: 13:00:00

Date: Sun, 31 May 1998 11:15:17 -0700 (PDT)
Message-Id: <2.2.16.199805311111234.42a7a38a@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: Re: AR-88 Trim Strips?
Cc: Old Tube Radios <boatanchors@theporch.com>

At 10:21 PM 5/30/98 -0400, Al Klase wrote:

>Pry Gently! They clip over a more substantial metal strip underneath.
>At least on my RX they do.

Thanks, Al. Sounds scary!

D.

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Sun, 31 May 1998 13:48:55 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: BA <boatanchors@sco.ThePorch.com>, glowbugs@piobaire.mines.uidaho.edu
Subject: Re: Coil Winding wire
Message-ID: <Pine.SUN.3.96.980531132505.22710A-100000@indy3>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Gary!

Generally, you do not need to space-wind coils; you can sub in enamelled wire for DCC and just close-wind it. In most simple sets, the ham bands are covered with the bandspread condenser and you'll be close enough--bandspread is a small fraction of the range covered by the bandset condenser! (This info is per C. F. "Rock" Rockey, W9SCH, author of the definitive modern book on regen sets; he knows more about radio than most any ten hams you could find and is to be trusted).

But the look and feel of DCC wire is a pleasure, and so is building up a set in the manner of the OTs, so here are some scraps of information:

AES in Tempe, AZ carries some DCC wire (#24, #26 and 54/38 Litz) as does MRL (#22). It's Celanese covered rather than cotton but works just the same. (Modern Radio Labs, P.O. Box 14902, Minneapolis, MN 55414-0902, send him a couple of bucks to cover catalog postage). AES, you surely have their contact info?

You can also wind sewing thread (or even string) with enamelled wire to space it--dope the wire lightly, get it well anchored and unwind the thread/string.

The "big secret" if it rates so fancy a term, is knowing what the turns-per-inch of the various sorts of wire is. This is given in the Copper Wire Table in *any* old "Radio" or ARRL HB.

Some typical ones: #26 en., 59 tpi; #26 DCC 39.90 tpi
#24 en., 47.2 tpi; DCC 33.60 tpi
#22 en., 37.7 tpi; DCC 34.1 tpi

(This is from the table in the '38 "Radio" HB. In practice, these are *typical* numbers and will show some variance with real wire in the real world. Not to worry, you don't need lab-standard accuracy even in a set with a TRF stage, so long as the coils are the *same*).

The *actual* insulating material is not a big deal so long as it is not too lossy--you can wind spaced coils with *bare* wire and they work just as well. (At least at first--surface oxidation over time can make 'em lossier than they should be, so tinned, silver-plated or enamelled wire are preferred).

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-Id: <199805311910.0AA18907@smtp2.mailsrvcs.net>
From: "Grant Youngman" <nq5t@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 31 May 1998 14:09:57 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: WTB: 51J3/4 Cabinet

Looking for a Collins cabinet in reasonable condition.

Thanks

Grant

Grant Youngman / NQ5T

nq5t@gte.net
BA pics at <http://home1.gte.net/nq5t>
Double Oak, TX -- nr Dallas

Message-Id: <v03007807b1976da57056@[153.34.29.95]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 31 May 1998 12:30:49 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Chassis cleaning-a warning!

Folks,

There is one VITAL step that has not been much mentioned here:

After you are finished with the water-based cleaning stuff, you MUST do multiple rinses with distilled water to remove the cleaner residue. These cleaners work because they are active chemicals, and you don't want them hanging around for years, looking for something to attack. After the chassis dries, you can do the WD40 trick or whatever else you like that's

not water based.

A guy on the R+P NG who had acces to an environmental chamber did some VERY interesting tests, using electrical box covers cleaned with various ordinary things, and half of each rinsed with distilled water and half not. After a month in a steam bath, the differences were very obvious.

Don't make future corrosion worse, just to get a better internal appearance today.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

From: "Francis J. Townsend, III" <ftownsen@access.digex.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Chassis cleaning-a warning!
Date: Sun, 31 May 1998 15:59:47 -0400
Message-ID: <01bd8cce\$a9f68920\$cfdd15bcc@bac01468.access.digex.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whats the R+P NG?

Frank

Francis J. Townsend, III
Baltimore, MD 21212
ftownsen@access.digex.net

>A guy on the R+P NG who had acces to an environmental chamber did some VERY
>interesting tests, using electrical box covers cleaned with various
>ordinary things, and half of each rinsed with distilled water and half not.
>After a month in a steam bath, the differences were very obvious.

Message-Id: <v0300780bb197752131cc@[153.34.29.95]>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 31 May 1998 12:59:35 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: RE: 6B4G vs. 6B4GA--what's the difference, and does it matter?

>
>Folks,
>
>You could rewire the sockets are use 6BL7 or 6BX7 dual triodes with the
>two sections in parallel to replace the 6B4s.
>
>I looked in a 1973 GE tube manual and in George Fathauer's Electron Tube
>Locator fo the 6B4GA and find nothing, so I can offer no good advice here.
>
>
>And now for the Begats: The 6B4G is a octal version of a 6A3, which is a
>6.3V version of (you guessed it!) the 2A3.
>
>Audio power triodes are wonderful. I just wish they wre not so expen\$ive.
>
>Regards,
>
>
>

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Message-Id: <199805312022.QAA21420@ns4-1.CC.Lehigh.EDU>
Date: Sun, 31 May 1998 16:22:04 EDT
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: SX71 parts needed
To: Old Tube Radios <boatanchors@theporch.com>

I'd like to get the BFO knob and the Hallicrafters medallian that goes below
the S-meter on an SX-71. If not the BFO knob, then something that's a
reasonable match.

Art
K3HBA

Message-Id: <3.0.1.32.19980531160232.00688a0c@a.crl.com>
Date: Sun, 31 May 1998 16:02:32 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Phil Mills <pmills@a.crl.com>
Subject: FS: 75S3C, 32S3, 516F2 all RE
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've decided I need to raise some cash and thin the collection
a little bit.

RE 75S3C, round emblem, CCA VG or better, front panel and knobs are
excellent. Has 2.1 and 800 cycle filters. Excellent working condition.
Has cover over filters.

32S3, round emblem, CCA VG or better, front panel and knobs are excellent.
Excellent working condition.

516F2 power supply, round emblem, someone added a speaker to the front
which I removed so it needs the black backing board that goes behind the
grill....the good news is that the speaker was mounted with small screws
through the existing grill holes without enlarging them. There is a
small stain on top of the cabinet and some paint flakes off the front grill.

All cabinets and trim rings in good condition with no major dents or dings
but there is the usual rubbing and minor blemishes.

Best offer over \$1,200 for all three pieces. I will consider separating
if I don't get an offer for all. I can deliver to HamComm in Arlington, TX
June 5 or 6.

E-mail me at pmills@a.crl.com or phone

281-482-2763 (home) between 5:30 and 8:00 Central time weekdays.
281-336-2599 (office) between 7:30 and 3:30 Central time weekdays.

thanks & 73,
Phil

Phil Mills AB5TH
pmills@a.crl.com
Friendswood, TX

Message-ID: <3571D121.F7A8FADE@pacbell.net>
Date: Sun, 31 May 1998 14:52:34 -0700

From: Leslie Zwiebel <wb6orz@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: Mechanical Filter Plug-in Adapter for 75A-1
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale: Excellent Condition Mechanical Plug-In Filter Adapter,
"Type No. 353C-31". Complete with 2 tubes. 3.1 kc, direct plug-in for
75A-1 Receiver. See Jay Miller's Collins Guide, p. 45. \$150 shipped.
73, Les

Message-ID: <3571D1F8.288E8EDB@pacbell.net>
Date: Sun, 31 May 1998 14:56:08 -0700
From: Leslie Zwiebel <wb6orz@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: R-390 and 390-A Manuals For Sale
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale, one of each:

TM11-5820-357-10 Original Operator's Manual for R-390 (non A). In
sealed military wrap, never opened. \$20 shipped.

TM11-5820-358-35 Original, Excellent condition Maintenance Manual
for R390-A, 189 pp. \$25 shipped.

Can deliver to Livermore (CA) swap next Sunday.

73, Les

Message-Id: <v0300780fb197a78c09f0@[153.34.29.95]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 31 May 1998 16:36:05 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: What's the R+P NG?

Folks,

I made reference to this entity in my chassis cleaning posting; It's the
usenet newsgroup

rec.antiques.radio+phono

and it's where us wood radio types hang out.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Message-ID: <3571FEE6.121A@dia.reno.nv.us>
Date: Sun, 31 May 1998 18:07:50 -0700
From: Jack Antonio <dia@dia.reno.nv.us>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Parts needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all,

I have a couple of projects that are needing one or two small items to finish them off, so I thought I'd throw out a "shopping list" to see if I can scare any of these items out of hiding.

BF0 Coil for BC-454 receiver(or a BC-454 parts unit?)

Gain compensator pot and its bracket for a BC-348-R. This is the pot assembly on the end of the tuning capacitor.

Dial light knob for BC-348

Crystal phasing knob for BC-312 or 342(mine says Dial Light-even though the panel has the right markings for the filter)

The flap covers for the phone jacks on a BC-312 or 342

Shock mount for ARB, pilots control box for ARB

E-mail me at the address below, and we can work out pricing and shipping.

Thanks and 73

Jack Antonio WA7DIA
dia@dia.reno.nv.us

Message-Id: <v03102804b197a32df936@[134.53.65.12]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 31 May 1998 20:17:41 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Manual Needed: Sprague T0-4 or T0-6 Capacitor Checker

Hi Gang,
My buddy, Randy W9ZR, is looking for the above manuals (copy is fine).
He'll happily pay copying and shipping costs, if you have one. Pse contact
him at W9ZR@AOL.COM. Thanks.

Jim W8ZR

Message-ID: <357200D7.A2E5BECF@concentric.net>
Date: Sun, 31 May 1998 18:16:07 -0700
From: "Lloyd A. Scott, Jr." <wpul11130@concentric.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help Needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings All: I am looking for a diagram to build a Antenna Isolator,
to run two or
more receivers from one antenna (R-70, RF-550, R-390). If some one could
point
me in the right direction, I would appreciate it very much.
73's
Lloyd

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: FT/FS: 8877's/socket
Message-Id: <19980601020312.QLAS18678@LOCALNAME>
Date: Mon, 1 Jun 1998 02:03:12 +0000

Howdy gang. I have a genuine Eimac SK-2210 socket (grounded grid
configuration) and the matching SK-2206 chimney for the 8877 triode.

Also have two well used looking 8877's, condition unknown (I have
no rig to test them in!) These came from an old CAI amplifier I'm parting out.

I'd like to trade them off for other goods or sell them for the best

offer.

I'm open to offers until next Wednesday.

Looking for some 838's or 203's known to be good. Also F-123A triodes.
What have you?

73,

Sandy W5TVW

Message-Id: <v03102805b197b31db7dc@[134.53.65.12]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 31 May 1998 21:27:37 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Tube info? W.E. 417A

Hi Gang,

I was going through my tube boxes tonight and came across a couple of new Western Electric 417As. I seem to remember hearing something about the 417A recently, possibly that the Western Electric versions are prized by the audio crowd, or something like that. Am I thinking about something else? What is the 417A good for? I don't know anything about it.

73,

Jim W8ZR

Message-ID: <3571FAB3.DB4A6421@idirect.com>
Date: Sun, 31 May 1998 20:49:55 -0400
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SCR522 Questions
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear BA'ers,

Another SCR522 has been resurrected and now lives to see another day aboard HMCS HAIDA. Even though it was an aircraft radio, the navy folks adopted a piece of gear from another service for their own needs.

Some questions have arisen:

1) There is mention of sending a tone on Channel D. The training manual refers to it as 'pip-squeak operation'. Obviously, if you were around at

the time and maintaining these units, then that phrase would have some meaning. The main manual does a poor job of explaining the function. What is the tone supposed to do? Is the tone supposed to be received or sent?

2) The Channel Release function is not explained in the manual except for constant references to 'hit the channel release switch' during control adjustments. When I do that, it just makes all of the tuning controls go limp and it would be impossible to adjust anything in this condition. As best as I can see, pressing the Channel Release switch disengages the mechanical tuning between the receiver and transmitter so the two units can be disengaged from the common 'control' chassis. Is this correct?

3) The SCR522 is in pristine condition and was reconditioned by CAE Electronics in the 1960's, yet the gain control in the transmitter section is missing. Was there any sort of modification issued that would have eliminated the gain control and replaced it with fixed resistances? I haven't gone for a 'visual' in the transmitter, since the instructions for detaching the transmitter from the control chassis are not clear enough.

4) When the unit is in the case, and the top covers are open, I cannot touch the chassis for more than a few seconds before I have to pull my finger away. Its unbelievable that a collection of electronic components could take that much abuse from heat and still keep working. There are no louvers, cooling fans or holes for heat to escape. I can only suspect that since the primary application of the radio was for fighter aircraft, having the SCR522 fitted in an unpressurized, unheated space within the fuselage meant that the electronics would be cooled by the cold, ambient air. In a land based installation, I suppose the unit had to fry. Now I'm afraid to run the SCR522 for long periods of time for fear of a component failure as a result of the high internal temperature. Does anyone know if these were reliable units while they were in service or am I just being too conservative in my thinking?

As a closing comment, I can see that poor clarity in manuals is a syndrome that has been with us for quite a long time.

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

End of BOATANCHORS Digest 2076
